BLÜTHNER e-KLAVIER

e-KLAVIER PRO-88
Owner's Manual

Congratulations on your purchase of your new
BLÜTHNER e-KLAVIER Digital Piano.

We thank you for your confidence in our product
and wish you lots of enjoyment with your BLÜTHNER e-KLAVIER.

Made in Germany

We recommend that you read this operation manual carefully to become
familiar with the many advantages and features of the
BLÜTHNER e-KLAVIER.

The Blüthner Digital Team wishes you lots of fun making music!

for EU Countries: NOTICE

This Product complies with the requirements or European Directive EMC 2004/108/ EC
Dieses Produkt entspricht der europäischen Richtlinie EMC 2004/ 108/EC
Ce produit conforme aux exigences de la directive europeenne EMC 2004/108/EC
Questo Prodotto e conforme alle esigenze della direttiva europea EMC 2004 / 108/EC
Este producto cumple con la directrice EMC 2004/108/EC
Dit product beantwoordt aan de richtlijn EMC/108/EC

For Canada: NOTICE

This digital apparatus meets all requirements of the Canadian Interference-Causing regulations.
For Canada: AVIS:
cet appareil numerique respecte toutes les exigencies du Reglements sur la materiel brouilleur du Candada.

For USA: NOTICE

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERRERENCE STATEMENT
This Equipment has been tested and found comply with the limits for a digital device of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try correcting the interference by one or more of the following points:

- decrease or increase the separation between the equipment or receiver.
- Relocate or reorient the receiving antenna
- Connect the equipment onto a other outlet from that to which the receiver is connected
- Consult your dealer or an experienced RADIO/ TV technician for help

Notice: Unauthorized Modification or changes on this system/ equipment can void the user authority to operate this equipment. This Equipment requires shielded interface in order to meet FCC Rules.

DECLARATION OF CONFORMITY: for USA

Model Name:	Blüthner e-Klavier PRO-88
Type of Equipment:	Digital Piano
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Dieses Symbol bedeutet, dass dieses Produkt in EU- Ländern getrennt vom Hausmüll gesammelt werden muss. Mit diesem gekennzeichnete Produkte dürfen NICHT zusammen mit dem Hausmüll entsorgt werden. Dies sind regionale Bestimmungen.

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FORWARD

First, you should refer to the chapter entitled "Before You Play" (page 9-11) in this manual. There the names of the controls and their functions are explained, as well as their connections and the instrument set up.

The chapter entitled, "Playing the Instrument" (page 12-15) gives an overview of the instrument and the most frequently used functions, such as sound selection, pedal function, metronome, and the Demo song selection and song list.

In the "Settings" chapter (page 15-19), you will find descriptions for the touch, tone and transposition functions.

The Chapter entitled "Appendix" (page 19-22) includes a list of specifications and a MIDI Implementation chart, as well as step-by-step assembly instructions.

FEATURES

BLÜTHNER PIANO SOUND

The Blüthner e-Klavier recreates the unique sound of the hand-made, world-renowned Blüthner Model One concert grand piano. All 88 keys of this exceptional instrument have been meticulously recorded and analyzed. While playing on the new Blüthner e-Klavier, the nuances of each note have been faithfully reproduced by new Acoustic Piano Simulation® (APS) Blüthner sound technology.

This unique process accurately recreates the broad dynamic range of the original instrument with a natural sound. The large selection of high-quality sounds are further supported by additional effects, such as Harmonic Damper Modeling®, Aliquot Resonance Modeling® and reverb, which provide a more realistic sound reproduction.

BLUTHNER WOODEN GRAND-TOUCH KEYBOARD

The wooden Grand-Touch Keyboard provides a unique action dynamic with the enhanced weight and feel of wooden keys. The mechanical implementation gives the pianist an excellent feel comparable to a concert grand action.

*The white keys are made of wood and the black keys are synthetic.

SAFETY ADVISORY **Please read carefully before you continue!**

WARNING! Always follow the precautions described below to avoid the risk of serious injury or death, electric shock, short-circuiting, damages, fire or similar hazards. These precautions include the following points, but do not constitute an exhaustive list:

Sicherheitshinweise

BEWAHREN SIE DIESE HINWEISE GUT AUF

HINWEISE ZU FEUERRISIKO, ELEKTRISCHEM SCHOCK ODER VERLETZUNGEN VON PERSONEN

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

POWER CORD / POWER SUPPLY Always use the correct power voltage printed on the nameplate and the associated power cord. Protect the power cord from heaters, radiators, and similar heat-emitting sources. Do not bend or turn the power cord too much, and avoid the laying the power cable in places where someone could trip or roll something over it.

DO NOT OPEN Never try to open any part of your keyboard to disassemble or modify it in any way. If you encounter any problem, please contact our qualified Blüthner Customer Service Team (See page 20).

IMPORTANT Never connect or pull out the power plug with wet hands.

WATER HAZARD Please always make sure that the instrument is not exposed to moisture or dampness. The instrument should not be used in damp or wet environments. Do not place containers with liquid contents, e.g. glasses, bottles, vases, etc., on the instrument, as this can cause liquid to penetrate into the instrument. In the event liquid enters the instrument, immediately turn off the power and unplug the power cord.

FIRE PROTECTION Do not put candles or open flames on the instrument. An open flame could cause a fire.

WARNING Only remove dust or dirt with a soft cloth. Only use slight pressure while cleaning to avoid scratcing the surface of the instrument. When cleaning, do not use thinners, solvents or liquids with chemical substances.

PLACE OF INSTALLATION Do not expose the instrument to excessive dust, vibrations, or extreme heat or cold. Avoid placing the instrument near TV sets, mobile phones, or other electrical devices, as this can lead to noise, interference or cross-modulation. Place the instrument on a solid and secure base to prevent accidental tipping or falling. Your instrument should be placed a minimum distance of 5 cm away from the wall in order to provide adequate air circulation. Disconnect all connected cables before moving the instrument.

HANDLING WARNING Please be careful not to jam your fingers in the movable keyboard cover. Please do not insert objects into any of the openings in the instrument. In the event that an object does become lodged in the instrument, immediately unplug the power cord and contact the Blüthner Customer Service Team (Service page 20). The instrument may only be repaired by authorized personnel.

ADVISORY Blüthner Piano Factory is not responsible for damage caused by the improper use or handling of the instrument, or by any unauthorized changes to the instrument, or for the loss or destruction of stored data. Always turn the power off when the instrument is not in use! Even if your power is off, current still flows to the instrument. If the instrument will not be used for some time, ensure a galvanic separation of the instrument from the power lines by unplugging the power cord from the outlet.

POWER SUPPLY

Caution: If you connect the power cord into the outlet, make sure that the voltage matches the voltage specified on the nameplate.

Caution: Never unplug the power cord with wet hands.
This may result in electric shock or electrical shock may result.

ACCESSORIES

MANUAL
POWER CORD
MUSIC DESK
1 SUSTAIN PEDAL
STAND (OPTIONAL)

BEFORE YOU PLAY

DIRECT CONTROL INTERFACE

Power ON / OFF: (To the right of the keyboard.) Turns the instrument on and off.

2 **Volume:** Adjusts the volume of the piano and the headphones.

3 **Grand Piano 1 & 2:** Sound selection/ **Metronome:** Starts and Stops the metronome function (See page 13).

4 **E-Piano 1 & 2:** Sound selection/ **Record:** Starts the recording mode to record songs (See page 12).

5 **Harpsichord & Vibraphone:** Sound selection/ **Play:** Starts and stops the playback function (See page 12).

6 **Strings & Choir:** Sound selection/ **Transpose:** Starts and stops the transpose function (See page 15).

7 **Organ 1 & 2:** Sound selection/ **Touch:** Adjusts the touch sensitivity or velocity of the keyboard (See page 14).

8 **Guitar & Clavier:** Sound selection/ **Tune:** Changes the tuning in 0,5 Cent steps (See page 15).

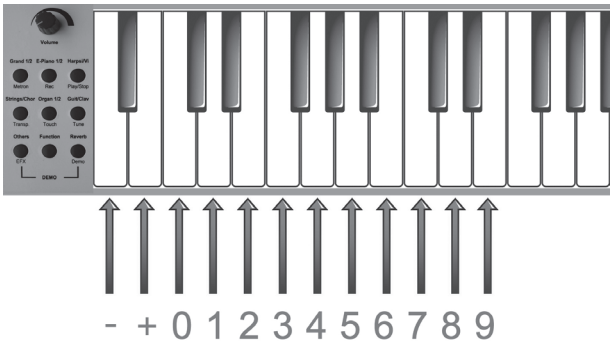
9 **Others: Further sound selection(Vintage Piano, Celeste, Warm Pad, etc.)/ EFX:** Effects menu selection (See page 10).

10 **Function:** This button is paired with the selection of all functions, except Reverb and Demo songs.

11 **Reverb:** Changes the level of reverb./ **Demo : Press the EFX (9) and DEMO (11) key together. The various songs can be selected using the EFX (-) und Reverb (+) keys.** (See page 17).

Selection Keys and Numeric Value Entry

The **Selection Keys - / +** and **Numeric Value Keys 0-9** allow you to enter parameter input for many functions by using the keyboard as a numeric pad.
Using the **Selection Keys - / +** you may press A1 for - (to decrease) and B1 for + (to increase), enabling you to scroll function menus and adjust desired values.
Using the **Numeric Value Keys 0-9**, you may enter specific numerical vlaues for functions such as the metronome.



MIDI SETUP

MIDI is an acronym for Musical Instrument Digital Interface. It is an international standard that allows devices such as electronic instruments and computers to communicate with each other.

MIDI Connections: The Blüthner e-Klavier PRO-88 contains the classic MIDI trio, i.e. MIDI IN, MIDI OUT and MIDI THRU.

MIDI IN: receives notes and commands from other devices / instruments.
MIDI OUT: sends notes and commands to other devices / instruments.
MIDI THRU: MIDI signals received by the MIDI IN go straight to the MIDI Thru jack, which can be connected to multiple devices.

MIDI Channels: The Blüthner e-Klavier sends out a signal (MIDI OUT) through MIDI channel 1. The Blüthner e-Klavier receives a signal (MIDI IN) through MIDI channel 1. The MIDI-channels on the Blüthner e-Klavier PRO-88 is fixed and cannot be changed.

CONNECTIONS

(Located on the back of the PRO-88 keyboard casing.)

DC In: **here the connection for the included power supply.**

Amp On/Off: **With this switch you can turn your speaker system on and off.**

Headphones: **Headphone connection (Please set the AMP to the OFF position to use headphones.)**

Audio OUT : Here you can connect your Blüthner e-Klavier to an amplifier, recorder, or other active speaker system.

Audio IN: Here you can connect other devices to the Blüthner e-Klavier, e.g. MP3 players, CD players, keyboards or sound modules.

Expression : This connection is used for the expression pedal.

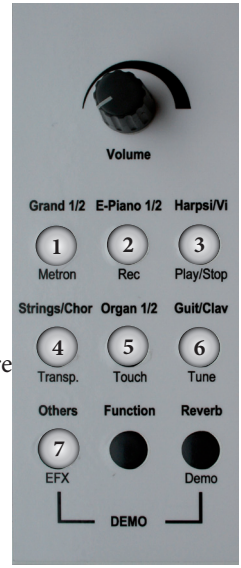
Damper: Here you can plug in the optional Damper/Sustain pedal.

MIDI- jacks: There are 3 available connectors: **IN / OUT / THRU**
Here you can connect your instrument to other MIDI devices, e.g. Expander, sound modules, or other MIDI compatible devices.

USB-HOST: Here you are able to connect a PC for MIDI and data transmission.

PLAYING YOUR INSTRUMENT

SOUNDLIST



	Sound 1	Sound 2
Button 1:	Blüthner Grand Piano 1	Blüthner Grand Piano 2
Button 2:	Vintage E-Piano 1	Vintage E-Piano 2
Button 3:	Harpichord	Vibraphone
Button 4:	Classic Strings	Choir
Button 5:	Organ 1	Organ 2
Button 6:	Classical Guitar	Clavinet

Button 7: OTHERS: Select Additional Sounds:
Press and hold the **OTHERS Button** while scrolling to your desire
the first 2 Keys on the Keyboard (A 1= Minus, Bb1 = Plus).

Vintage E- Piano 3
Church Organ 1
Small Church Organ
Church Organ 2
Synth Pad
Warm Pad
Celeste

SOUND SELECTION

The e-Klavier has seventeen sounds in the standard library. The first twelve sounds are listed on the top six buttons on the keypad. Press the button once for the first listed sound. Hold the button down for 2 secondsto select the second listed sound.

LAYER SOUNDS

Press 2 Sound Buttons together, the first Sound Button you hold down will be the Main Sound, which is louder than the secondary sound. You can use all Sounds on the Panel to create a Layer- Sound set.
Example 1: Press and hold Guitar and String butons together = Guitar with Strings.
Example 2: Press and hold Strings then Guitar together = Strings with Guitar.

SPLIT SOUNDS

Press and Hold the two Sound buttons you would like to Split, i.e. Piano & Strings, and select your Split Point on the Keyboard by pressing the Key where you would like the split to begin. The first sound selection pressed down in the pair will always be heard to the right of the split.

EFX FUNCTION

With the **EFX function**, you can select special sound efects like Chorus, Flanger, Tremolo, etc.

To adjust the EFX function:
Press the FUNCTION and EFX Buttons together to enter the EFX function. Select the desired effect from the menu by using the Selection keys - / + to scroll the effects library. To turn off an effects, press the F**UNCTION button** and the **EFX button.**

REVERB FUNCTION

With the **Reverb function**, you can set the amount of reverb for your sound selection.

To set reverb:
Press and hold the **REV Button** while editing the level of reverb with the **Selection keys - / +** (the first 2 Keys on the Keyboard: A 1= Minus, Bb1 = Plus). Release the Reverb button and play.

To restore the default tuning:
Hold the **REV button** down while pressing both **Selection keys - /+** together to restore the keyboard to the default reverb level.

USING THE PEDALS

Plug the included Susutain pedal into the Sustain connection. The Sustain pedal immitates the effect of dampers on an acoustic piano. Hold it down to allow the sounds to continue, and let it go to stop the sound.

The connections for other optional pedals, such as damper and expression pedals, are found on the backside of the e-Klavier PRO-88.

RECORDING FUNCTION

Recording a Song/ Piece:
Press the **FUNCTION** and **REC buttons** on the keypad to begin recording.
The REC LED lights up. Press the **PLAY/STOP button** to stop recording.

Playing back your recordings:
Press the **FUNCTION** and **PLAY / STOP buttons to begin playback mode. Stop playback by pressing the Play/Stop button again.** To select between recorded tracks, use the **-/+ keys on the keyboard** to scroll.

To delete a recorded track, hold the Record button for 3 seconds. The last recorded track will then be deleted.

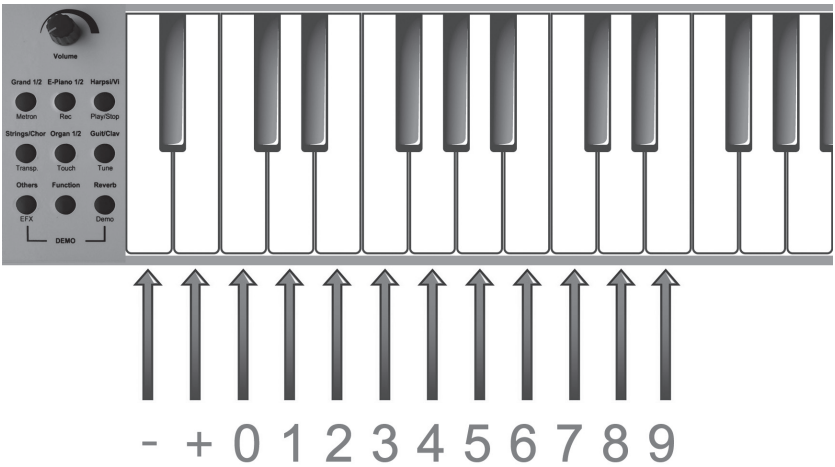
METRONOME FUNCTION

The metronome gives to you a precise rhythm optimally oriented to practice by.

Turning the metronome ON and OFF:
Press the **FUNCTION** and **METRONOME buttons** on the control panel and the METRONOME LED lights up. Pressing the **METRONOME button** again stops the metronome, and turns the LED light off.

Changing the metronome TEMPO:
The metronome starts at a default tempo of120 BPM. Hold the Metronome button down and enter the numeric Tempo using the keys according to the diagram below. (i.e., Tempo 089: C1/D2/E2)

Change Metronome Tempo with the Keys of the Keyboard

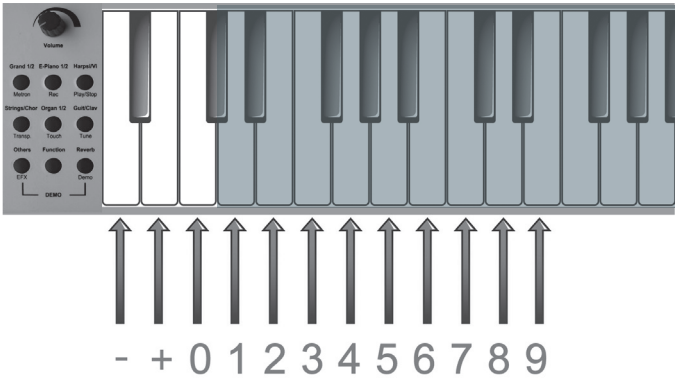


Example 2: Tempo 88- press 0-8-8.
Example 3: Tempo 123 press 1-2-3

TOUCH FUNCTION

With the **TOUCH function**, you can customize the touch sensitivity and response of your keyboard.

To adjust the TOUCH function:
Press the **FUNCTION and TOUCH buttons** together on the keypad to enter the **TOUCH adjustment mode**.
The TOUCH LED lights up, and you can press the first 3 **SELECTION keys - / + and 0** to adjust the value of the touch sensitivity as follows:



- = LIGHT	+ = NORMAL	0 = HEAVY
With this setting, a light touch produces a higher volume.	(default) normal velocity and response of a grand piano.	With this setting, a heavier touch is required to produce a higher volume.

To save TOUCH settings and play:
Press the **TOUCH button** a second time to save the new touch setting and exit the **TOUCH adjustment mode**. The TOUCH LED will blink, indicating the new TOUCH setting is active, while the **SELECTION keys - / +** and other control panel functions become available again to use.

TUNE FUNCTION

With the **TUNE function**, you can change the tuning by 0,5 Cent steps.

To adjust the TUNE function:
Press the **FUNCTION and TUNE buttons** to enter the **TUNE adjustment mode.** The TUNE LED light will turn on. The default tuning scale is 440 Hz. Now the **SELECTION keys - / +** can be used to move the tuning up or down by 0.5 Cents per click.

To save TUNE settings and play:
Press the **TUNE button** a second time to save the new tuning setting and exit the tuning adjustment mode. The TUNE LED will blink, indicating the new tuning setting is active, while the **SELECTION keys - / +** and other control panel functions become available again to use. To re-enter the **TUNE adjustment mode,** Press the **TUNE button** so it lights up again without blinking.

To restore the default tuning:
Hold the **TUNE button** down while pressing both **Selection keys - /+** together to restore the keyboard to the default A-440 tuning.

TRANSPOSE FUNCTION

With the **TRANPOSE function**, you can transpose the entire keyboard by halftones.

To Adjust the TRANSPOSE function:
Press the **FUNCTION and TRANSPOSE buttons** together to enter the **TRANSPOSE adjustment mode.** The TRANSPOSE LED lights up. Now the **keyboard** can be used to set the desired key signature.

To save TRANSPOSE settings and play:
Press the **TRANSPOSE button** a second time to save the new touch setting and exit the **TRANPOSE adjustment mode**. The TRANPOSE LED will blink, indicating the new TRANPOSE setting is active, while the keyboard and other control panel functions become available to use again. To re-enter the **TRANPOSE adjustment mode,** press the **TRANPOSE button** so it lights up again.

To turn off the TRANPOSE function:
From within the **TRANSPOSE adjustment mode**, restore the default key signature by pressing the **TRANSPOSE button** and middle C (C4) on the keyboard. Then press the **TRANSPOSE button** once more to exit.

SAVE SETUP/ FACTORY RESET

The modified settings can be saved by pressinf the **Function** and **Reverb** keys together. now the instrument can be switched on and off while remaining in the modified setup.

To reset all settings back to the original default factory settings, press **Function** and **EFX** together restart your e-Klavier digital piano.

MIDI Implementation Chart

Function	Transmit	Receive	Remarks
Basic Channel	1	1	
Note Number	0-127	0-127	including Transpose
Volume	7	7	Control Change
Damper	64	64	Right Pedal
Sostenuto	66	66	Middle Pedal
Soft	67	67	Left Pedal
Program Change	1-25	1-25	Sound Select
Aftertouch	x	x	
Velocity	Yes	Yes	
Song Record	1	1	
Song Play	1	1	
Transpose	x	x	change on panel
Pitch Bend	x	Yes	from Midi Controller

DEMO FUNCTION

Playing and Selecting DEMO SONGS:
Press the **EFX and DEMO buttons together and HOLD to enter the DEMO Function.** The first demo song will automatically play. You can choose between songs by using the **SELECTION keys - / + .** To stop the DEMO function, press the **EFX** and **DEMO buttons** together again.

LIST OF DEMO SONGS

Every Time You Smile	Blüthner Grand 1	played by Gianni Giudici
Claire de Lune	Blüthner Grand 1	played by Silvia Filomena
Dr. Gradus	Blüthner Grand 1	played by Silvia Filomena
Greensleeves	Blüthner Grand 1	played by Gianni Giudici
Oh My Beloved Daddy	Blüthner Grand 1	played by Gianni Giudici
Rhodex Demo 1	Vintage Piano 1	played by Gianni Giudici
RhoDX Demo 1	Vintage Piano 3	played by Gianni Giudici
Wurlixer Demo 1	Vintage Piano 2	played by Gianni Giudici
Clavinet Demo 1	Clavinet	played by Gianni Giudici
Hammond Demo 1	Organ 1	played by Gianni Giudici
Strings 1	Strings	played by Gianni Giudici
Classic Guitar	Classic Guitar	played by Gianni Giudici
Church Organ Demo	Church Organ 1	played by Gianni Giudici
Choir Demo	Choir	played by Gianni Giudici

BLÜTHNER PRO-88

SPECIFICATIONS

Number of Keys		88 Notes
Keyboard	Blüthner Grand Touch	4 zones, Graded Hammer
Touch Sensitive	Yes	Yes
Pedals	2 Pedals	Sustain, Expression
Panels	Blüthner DCI (Direct Control Interface	9 Button Backlit Panel, 1x Volume
Stand	optinal accessorie	only in Black color avilable
Left Hand Mode	Yes	in all e-Klavieren
	Cabinet	
Cabinet	Blüthner Wood /Metal cabinet	
Key Cover	No	
Colors of Sideparts	Mahagoni, Wallnut, Cherry	
Soundboard	Authentic Acoustic Behavior®	Acoustic Piano Simulation® (APS)
Music Rest	Yes	
Bluetooth	not available for Pro 88	only for e-Klavier 2/ 3 and Pianette
	Technology & Voice	
Tone Generation	Blüthner APS Technology	Acoustic Piano Simulation ® (APS)
Damper Resonance	APS Damper Modeling	Acoustic Piano Simulation ® (APS)
String Resonance	Blüthner Aliquot ® Modeling	Aliquot ® String Resonance Modeling
Polyphony	128Notes Polyphony	
Voices	26 Blüthner Sounds	26 Special APS Sound Presets
Effects	Reverb, Chorus, Phaser, Tremolo	Damper Resonance, String Resonance
Song Recorder	1 Track Recorder	100,000 notes maximum
Metronome	Yes	Tempo-range 30 to 280 BPM
Transpose	24 Semitones up	24 Semitones down
Tuning	Fine-Tune by 0.5 Cent steps up	Fine-Tune by 0.5 Cent steps down
Stereo input	3,5” stereo Jack for MP3	2 x Jack Line In
Headphones	1 headphone jack	
MIDI	MIDI IN, OUT, THRU	MIDI Trio
Audio IN	2 x Mono IN left and right	Stereo In
Audio OUT	2 x Mono OUT left and right	Stereo Out
USB	USB Host	MIDI USB Connection
Amplifiers	2x 30 Watt digital amplifier	On/Off switch
Speakers	2x Blüthner 5” speakers	Designed by Blüthner

BLÜTHNER PRO-88

Assembly Guide for optional PRO-88 Stand

1. Screw the 2 x metal braces into the pre-drilled holes on the left and right hand sides.

2. Insert 2 x woden dowels into the ends of the corners. Place the two (2) dowels into the ends of the horizontal piece. Place the two two (2) screw covers over the

3. Screw the left and right sides tightly.

4. The Blüthner PRO-88 Stand is finished.

5. It is also possible to secure the stand further by fasteing the 4 additional small metal screws at the uderside of the PRO-88.

BLÜTHNER e-KLAVIER

CUSTOMER - SERVICE CENTER

If you have difficulties with our product and need advice or assistance, you can rely on the best possible help.

Service & Repair:

See our Service Center Portal
and Frequently Asked Questions
online at: **www.e-klavier.com**

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www.e-klavier.com
www.bluethnerworld.com

Legal notice:

The Blüthner Digital Piano Manufacture has the right to change the features, and/ or specifications without notice.

Information on WEEE Directive:

The WEEE directive (Waste Electrical and Electronic Equipment) is the EC directive 2002/96/EC to reduce the growing amount of electronic waste from electrical and electronic equipment that is no longer in use. The aim is to avoid and reduce the increasing amounts of electronic waste through extended producer responsibility and environmentally sound disposal.